

North Central Research Extension Center

**Non-Roundup Ready Soybean Variety Trial at Minot**

Company/ Brand	Variety	Maturity Group	Herbicide System	IDC Rating	Maturity Date	Plant Height	Lodging 0-9 <sup>b</sup>	Protein %	Oil %	Test Weight lbs/bu	Seed Yield				
											2014	2015	2016	----Average----	
											2014	2015	2016	2 year	3 year
Hefty	H008L3	00.8	LL	1-5 <sup>a</sup>	17	31	3	34.3	15.6	56.8	--	45.9	40.3	43.1	--
Hefty	H03L7	0.3	LL	2.0	26	33	3	35.8	14.6	56.1	--	--	49.2	--	--
NDSU	ND Henson	0.0	Conv.	2.2	16	31	2	35.4	15.4	57.2	51.3	53.4	48.9	51.2	51.2
NDSU	Ashtabula	0.4	Conv.	2.1	18	35	2	32.4	16.2	56.6	51.7	53.4	48.2	50.8	51.1
NDSU	Sheyenne	0.7	Conv.	2.0	23	35	1	34.5	14.5	56.5	39.5	61.1	47.1	54.1	49.2
NDSU	ND Bison	0.7	Conv.	2.0	22	30	1	30.1	15.9	57.6	36.9	55.1	41.0	48.0	44.3
RR Check	AG 00932	00.9	RR	1.4	18	33	2	34.7	14.1	57.2	38.0	46.3	42.4	44.4	42.2
RR Check	AG 0832	0.9	RR	1.9	29	36	2	36.2	14.2	56.2	--	59.7	43.0	51.4	--
RR Check	AG 00632	00.6	RR	--	19	34	1	33.6	14.6	56.4	--	45.6	35.8	40.7	--
RR Check	AG 0732	0.6	RR	2.0	27	32	1	35.5	14.1	56.4	--	--	45.2	--	--
Trial Mean				2.1	20	32	2	34.5	15.3	56.8	41.7	52.6	42.3	--	--
C.V.%				--	9.3	8.6	73	2.1	2.2	0.9	8.8	5.4	10.9	--	--
LSD 5%				0.2	3	5	NS	1.2	0.6	0.8	5.3	4.0	7.6	--	--
LSD 10%				0.2	3	4	NS	1.0	0.5	0.7	4.4	3.3	6.3	--	--

<sup>a</sup> IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead  
NS = no statistical difference between varieties.

<sup>b</sup> Lodging: 0 = none, 9 = lying flat on the ground.

Planting Date: June 2

Harvest Date: October 19

Soil Type: Williams Loam

Planting Rate: 100,000 PLS/A